Thirty-Second

Daniel T. Watts

Research Poster Symposium

A Scientific Forum for the VCU Community

Tuesday, October 20, 2015

Hermes A. Kontos
Medical Sciences Building
Virginia Commonwealth University
In Memory of

Daniel T. Watts
(1917-1994)

The Daniel T. Watts Poster Research Symposium is named in honor of Daniel T. Watts, former Dean of the School of Basic Health Sciences and Graduate Studies who passed away in 1994 at the age of 77. Dean Watts was a nationally recognized pharmacologist. In 1946 and 1947, he worked on projects to determine human tolerance to the acceleration forces experienced in aviators’ ejection seats. From 1947 to 1953, he taught pharmacology at the University of Virginia. He served as chair of Pharmacology at West Virginia University from 1953 to 1966 before coming to the Medical College of Virginia in 1966, continuing to serve as Dean as the institution was incorporated into Virginia Commonwealth University in 1968. Dean Watts held interests in intercollegiate athletics as well as biomedical research and graduate education and represented the University in that capacity. He retired as Dean, Basic Health Sciences in 1982.

During his tenure at this institution he established the foundation of the research enterprise in basic health sciences that continues today. His legacy continues both in the breadth of research and educational programs particularly the development of Ph.D. training. The growth of research and graduate training build on the pioneering efforts of John C. Forbes and C.C. Clayton, establishing the traditions which continue today. Shortly after his retirement, the Poster Symposium was initiated as a tribute to Dr. Watts and his effort, serving as an illustration of the research and development for continuing generations of life/health science researchers.
Daniel T. Watts
Abstract

Titles
1. The Impact of Unbalanced Designs and Missing Rates on Power in Planning an Optimal Cluster Randomized Trial Given Data MAR
   Yu Cao, Dr. Yongyun Shin
   Department of Biostatistics

2. Breastfeeding Outcomes: Does Paternal Pregnancy Intention Matter?
   Jordyn T. Wallenborn, MPH; Scott Ratliff, MS; Saba W. Mas
   Department of Family Medicine and Population Health

3. Clinically-Relevant Investigation of Flattening Filter Free Skin Dose
   Christopher Guy, Kishor Karki, Manju Sharma, Siyong Kim
   Radiation Oncology - Medical Physics

4. Change in Mean CT Intensity of Lung Tumors During Radiation Treatment
   R Mahon, N Tennyson, E Weiss, and G Hugo
   Radiation Oncology - Medical Physics

5. Respondent Attrition in a Patient-Centered Cancer Screening Survey
   Camille Hochheimer
   Department of Biostatistics

   Anushree Vichare, MBBS MPH and Tiffany Green, PhD
   Health Behavior and Policy

7. A Cross-Sectional Analysis of Health Impacts of Inorganic Arsenic in Chemical Mixtures
   Paul M Hargarten, Dr. Yongyun Shin, and Dr. Chris Gennings.
   Department of Biostatistics

8. Glia Cells and Alcohol in Drosophila
   Kristen Lee and Micheal Grotewiel
   Department of Human Genetics

9. Sorafenib/Regorafenib and Sildenafil Interact to Kill Tumor Cells
   Mehrad Tavallai, Hossein Hamed, Jane Roberts, Nichola Cruickshanks, John Chuckalovcak, Andrew Poklepovic, Laurence Booth and Paul Dent
   Biochemistry
10. Longitudinal Assessment of Radiation Treatment Response in Non-small Cell Lung Cancer using Intravoxel Incoherent Motion Model Diffusion-weighted MRI
   Kishor Karki, Geoffrey D. Hugo, John C. Ford, and Elisabeth Weiss
   Radiation Oncology

   Fadi El-Rami, Xiuchun Ge, Victoria Stone, Ping Xu
   Philips Institute For Oral Health Research

12. Evaluating R Packages for Comparing Two Correlated C Indices with a Right-Censored Survival Outcome
   Brian S Di Pace, Le Kang, PhD
   Department of Biostatistics

13. Examining Collinearity's Effect on the Indirect and Direct Effect in Mediation Analysis
   Alicia M. Johns, Robert A. Perera
   Department of Biostatistics

14. Understanding the function of DYRK1A through characterization of DCAF7
   Varsha Ananthapadmanabhan, Dr. Larisa Litovchick
   Department of Human and Molecular Genetics

15. The isolation, Identification, and Analysis of Important Species of Lactobacillus and Bifidobacterium From the Human Vaginal Microbiome
   Hien Dang, Dylan N. David, Suryanaren Kummarapurugu, Abigail Glascock, Sarah Rozycki, Nicole Renea Jimenez, Jennifer M. Fettweis, Ph.D.
   School of Medicine

16. Psychiatric Medication Use is Associated with Increased Impairments in Balance and Fall Risk
   Natalie Bareis, MSSW; Trisha Sando, DPT; Steven A. Cohen, DrPH, MPH
   Division of Epidemiology, Department of Family Medicine and Population Health

17. Low Volume Resuscitation using Polyethylene Glycol-20k in a Pre-Clinical Porcine Model of Hemorrhagic Shock
   Loren Liebrecht, MD, Valerie Plant, MD, Ashley Limkemann, MD, Charles Blocher, Paula Ferrada, MD, Michel Aboutanos, MD, and Martin J. Mangino, PhD
   Surgery
18. A PP2A-ATM Protein Complex Regulates the DNA Damage Response and Pro-Survival Signaling  
Amrita Sule, Mary Tokarz, Mostafa Ahmed, Glen Kellogg, Kristoffer Valerie  
Biochemistry and Molecular Biology

19. Megasphaera Species in Pregnancy, Menopause and Vaginal Infection  
Abigail L. Glascock, Vaginal Microbiome Consortium VCU, Myrna G. Serrano, Gregory A. Buck and  
Jennifer M. Fettweis  
Department of Microbiology and Immunology

20. The Role of ADAM10 on Dendritic Cells  
Damle, Sheela R., Martin, Rebecca K., Conrad, Daniel H.  
Department of Microbiology and Immunology

21. The Portrayal of Waterpipe Smoking on Social Media: The Case of Instagram  
Jeanine Guidry, Linda Haddad, Yan Jin, and Yuan Zhang  
Health Behavior and Policy

22. Gestational Age at Birth is Associate with Alcohol Use in Female Young Adults  
Elizabeth K. Do, Shawn Latendresse, Alexis Edwards, Lindon J. Eaves, Kenneth S. Kendler,  
Danielle M. Dick, and Timothy P. York  
Virginia Institute for Psychiatric and Behavioral Genetics; Center for Clinical and Translational Research